ATTORNEY BOCKET NO 2

As a below hamed inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



TO DECUME INVENTOR	INVENTOR'S SIGNATURE		DATE
LL NAME OF EIGHTH INVENTOR Muneto Mogi		T	
SIDENCE		CITIZENSHIP Japanese	
Nara-ken, 630-8325, Japan		Japanese	
ST OFFICE ADDRESS	Jama Iron 630-8325. J	Japan	
63-23-208, Nishikitsuji-cho, Nara-Shr, IN	INVENTOR'S SIGNATURE		DATE
ILL NAME OF NINTH INVENTOR	INVENTOR S STOMES		
Hiroshi Fujishima		CITIZENSHIP	
ESIDENCE		Japanese	
Nara-ken, 631-0801, Japan			
ost office Address 3-23-25, Sakyo, Nara-shi, Nara-ken, 631	-0801, Japan		
3-23-25, Sakyo, Nara-Sill, Nara-Kell, Sol	INVENTOR'S SIGNATURE		DATE
ULL NAME OF TENTH INVENTOR			
Tsutomu Masuda		CITIZENSHIP	
ESIDENCE		Japanese	
Aichi-ken, 475-0844 Japan			
OST OFFICE ADDRESS 180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Japan		DATE
TULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida			
		CITIZENSHIP	
RESIDENCE Kyoto-fu, 619-0223, Japan		Japanese	
		naaa Tanan	
POST OFFICE ADDRESS 5-18-15, Saganakadai, Kizu-cho, Soraku-	-gun, Kyoto-fu, 619-0	JZZ3, Japan	DATE
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		J
Toshiya Moriwaki		CITIZENSHIP	
RESIDENCE		Japanese	
Nara-ken, 630-0121, Japan		Sapaness	
	0101 Innan		
POST OFFICE ADDRESS 2-25-4, Kitayamato, Ikoma-shi, Nara-ke	n, 630-0121, Japan		DATE
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		
		CITIZENSHIP	
RESIDENCE			
POST OFFICE ADDRESS			
	INVENTOR'S SIGNATURE		DATE
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR D DISC		
		CITIZENSHIP	
RESIDENCE			
,			
POST OFFICE ADDRESS			
1001 011101 1111			
, ,	INVENTOR'S SIGNATURE		DATE
	INVENTOR'S SIGNATURE		DATE
, ,	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
, ,	INVENTOR'S SIGNATURE		DATE
FULL NAME OF FIFTEENTH INVENTOR RESIDENCE	INVENTOR'S SIGNATURE		DATE
, , FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		
TULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
FULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS		CITIZENSHIP	
FULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , FULL NAME OF SIXTEENTH INVENTOR		CITIZENSHIP	
TULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS		CITIZENSHIP	
FULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE ,		CITIZENSHIP	
FULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE		CITIZENSHIP	DATE
TULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , , ,		CITIZENSHIP	
FULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS ,, FULL NAME OF SIXTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
TULL NAME OF FIFTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , , ,	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE

ATTORNEY DOCKET NO

As a below named inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

τ)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)	
		(patented, pending, abandoned)	
(Application Serial No.)	(Filing Date)	(Status)	
		(patented, pending, abandoned)	

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE .
Muneto Mogi			
RESIDENCE		CITIZENSHIP	}
Nara-ken, 630-8325, Japan	·	Japanese	
POST OFFICE ADDRESS		,	
63-23-208, Nishikitsuji-cho, Nara-shi, Na	ara-ken, 630-8325, J	apan	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS			
3-23-25, Sakyo, Nara-shi, Nara-ken, 631-	0801, Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda			L
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS			İ
180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Japan		
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida			
RESIDENCE		CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS			
5-18-15, Saganakadai, Kizu-cho, Soraku-g	un, Kyoto-fu, 619-02	23, Japan	
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki			
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS		<u> </u>	
2-25-4, Kitayamato, Ikoma-shi, Nara-ken,	630-0121, Japan		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,		1	
POST OFFICE ADDRESS			İ
, ,			
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SEVENTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS		 -	

COMBINED DECLARATION AND POWER OF ATTORNEY

ATTORNEY POCKET NO.

As a below named inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)
	_	(patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE
- Muneto Mogi		···	
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-8325, Japan		Japanese	
POST OFFICE ADDRESS			
63-23-208, Nishikitsuji-cho, Nara-shi, N	ara-ken, 630-8325, Ja	apan	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS 3-23-25, Sakyo, Nara-shi, Nara-ken, 631-	0801, Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS		· · · · · · · · · · · · · · · · · · ·	
180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Japan		
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida			
RESIDENCE		CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS			
5-18-15, Saganakadai, Kizu-cho, Soraku-g	un, Kyoto-fu, 619-022	23, Japan	
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki			
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS			
2-25-4, Kitayamato, Ikoma-shi, Nara-ken,	630-0121, Japan		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE	<u> </u>	CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
TODE WARE OF TOOKINDENTH INVENTOR	INVENTOR 5 STORATORE		DALL
RESIDENCE	1	CITIZENSHIP	
,			
POST OFFICE ADDRESS			
SHIT NAME OF FIRMHUMMI INMINIOR	TIMENTON IS STOWN		DAME
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	· · · · · · · · · · · · · · · · · · ·
,		<u></u>	
POST OFFICE ADDRESS			
FULL NAME OF SEVENTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE	<u> </u>	CITIZENSHIP	<u> </u>
,			
POST OFFICE ADDRESS			
, ,			

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, §119 and § 119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE :
™ Muneto Mogi			
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-8325, Japan	<u></u>	Japanese	
POST OFFICE ADDRESS	•		
63-23-208, Nishikitsuji-cho, Nara-shi, Na	ara-ken, 630-8325, J	apan "	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS			
3-23-25, Sakyo, Nara-shi, Nara-ken, 631-6	0801, Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda	:		
RESIDENCE	<u> </u>	CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS		1	
180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Japan		ł
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida	I THE STORY OF STORMS		
RESIDENCE	<u> </u>	CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS		Japanese	
	V.:.ata f.: 610 02	22 Ionan	
5-18-15, Saganakadai, Kizu-cho, Soraku-g	C	23, Japan	
1	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki	<u> </u>	1	
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS			
2-25-4, Kitayamato, Ikoma-shi, Nara-ken,			
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
	· · · · · · · · · · · · · · · · · · ·		, — — — — —
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
	<u> </u>		
RESIDENCE	٠	CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS		•	
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE	A	CITIZENSHIP	I
POST OFFICE ADDRESS		<u> </u>	
, ,			
FULL NAME OF SEVENTEENTH INVENTOR	TANGENTOD IS STONE THE		
THE STATE OF THE PROPERTY.	INVENTOR'S SIGNATURE		DATE
RESIDENCE	l	T	l
		CITIZENSHIP	
POST OFFICE ADDRESS		I	
1 1			

COMBINED DECLARATION AND POWER ATTORNEY



As a below named inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, §119 and § 119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)	
		(patented, pending, abandoned)	
(Application Serial No.)	(Filing Date)	(Status)	
		(patented, pending, abandoned)	

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE .		
Muneto Mogi					
RESIDENCE		CITIZENSHIP	1		
Nara-ken, 630-8325, Japan		Japanese			
POST OFFICE ADDRESS					
63-23-208, Nishikitsuji-cho, Nara-shi, Na	ara-ken, 630-8325, Ja	apan			
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
Hiroshi Fujishima					
RESIDENCE		CITIZENSHIP			
Nara-ken, 631-0801, Japan		Japanese			
POST OFFICE ADDRESS	· · · · · · · · · · · · · · · · · · ·				
3-23-25, Sakyo, Nara-shi, Nara-ken, 631-6	0801. Japan				
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
Tsutomu Masuda			į		
RESIDENCE	<u> </u>	CITIZENSHIP			
Aichi-ken, 475-0844 Japan		Japanese			
POST OFFICE ADDRESS		·			
180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Japan				
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
Nagahiro Yoshida	INVENTOR 5 STORATORE		J2		
	L	CITIZENSHIP			
RESIDENCE					
Kyoto-fu, 619-0223, Japan		Japanese			
POST OFFICE ADDRESS	V	OO Tomom			
5-18-15, Saganakadai, Kizu-cho, Soraku-g		23, Japan			
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
Toshiya Moriwaki	1				
RESIDENCE	•	CITIZENSHIP			
Nara-ken, 630-0121, Japan		Japanese			
POST OFFICE ADDRESS	•				
2-25-4, Kitayamato, Ikoma-shi, Nara-ken,	630-0121, Japan				
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
RESIDENCE		CITIZENSHIP			
POST OFFICE ADDRESS					
	·				
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE	•	DATE		
RESIDENCE		CITIZENSHIP			
,					
POST OFFICE ADDRESS		,			
, ,					
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
		•			
RESIDENCE	<u> </u>	CITIZENSHIP			
		·			
POST OFFICE ADDRESS					
	-	•			
FULL NAME OF CLAMPENMY INTONION	TANKEN MODELS CASSASSING		DAME		
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
DECIDENCE		T			
RESIDENCE		CITIZENSHIP	• •		
,		<u> </u>			
POST OFFICE ADDRESS		•			
, ,	T		Y		
FULL NAME OF SEVENTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE		
RESIDENCE		CITIZENSHIP	- /		
,					
POST OFFICE ADDRESS					
, ,					

COMBINED DECLARATION AND POWER OF ATTORNEY



nec'a 2 7PTO 18 NOV 2005

As a below named inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)	
•		(patented, pending, abandoned)	
(Application Serial No.)	(Filing Date)	(Status)	
		(patented, pending, abandoned)	

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE :
Muneto Mogi		<u> </u>	
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-8325, Japan		Japanese	
POST OFFICE ADDRESS			
63-23-208, Nishikitsuji-cho, Nara-shi, N	ara-ken, 630-8325, J	apan	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima	<u> </u>		
RESIDENCE .		CITIZENSHIP	1
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS		•	
3-23-25, Sakyo, Nara-shi, Nara-ken, 631-	0801, Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS			
180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Japan		
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida			
RESIDENCE		CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS		- Odpanese	
5-18-15, Saganakadai, Kizu-cho, Soraku-g	up Kwata fu 610-02	23 Ianan	
FULL NAME OF TWELFTH INVENTOR		25, Japan	DATE
	INVENTOR'S SIGNATURE	•	DATE
Toshiya Moriwaki	L	Tarmenmanian	
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS	(20 0101 7		
2-25-4, Kitayamato, Ikoma-shi, Nara-ken,	T		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
	<u> </u>	1	
RESIDENCE ·		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
	<u> </u>		<u></u>
RESIDENCE	•	CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS		·····	
, ,	·		
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	<u> </u>
		CITIBBROMIF	
POST OFFICE ADDRESS			
FULL NAME OF SEVENTEENTH INVENTOR	T =		Г :
A SEA WHITE OIL SEA ENTERINI THAT ENTOK	INVENTOR'S SIGNATURE	•	DATE
DECIDENCE	L	T	L
RESIDENCE		CITIZENSHIP	
POCH CENTER ADDRESS		J	
POST OFFICE ADDRESS			
, ,			

TOMBINED DECLARATION AND POWER OF ATTORNEY

1 U/ 77/

ATTORNEY DOCKET NO

As a below named inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE .
_ Muneto Mogi			
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-8325, Japan		Japanese	
POST OFFICE ADDRESS			
63-23-208, Nishikitsuji-cho, Nara-shi, Na	ara-ken, 630-8325, J	apan	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima			
RESIDENCE .		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS			
3-23-25, Sakyo, Nara-shi, Nara-ken, 631-	0801, Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS		Оприменен	
180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Janan	•	
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida	1	CIMICUIT	
RESIDENCE		CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS			
5-18-15, Saganakadai, Kizu-cho, Soraku-g		23, Japan	т
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki			<u> </u>
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS		4	
2-25-4, Kitayamato, Ikoma-shi, Nara-ken,	630-0121, Japan		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
		• •	
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS		<u> </u>	
FULL NAME OF FIFTEENTH INVENTOR	TANDAMODIC CICAN MIDE		I DAMB
FOLL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
DECEMBER		1	
RESIDENCE		CITIZENSHIP	
•		<u> </u>	
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
•			
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SEVENTEENTH INVENTOR INVENTOR'S SIGNATURE DATE			
RESIDENCE		CITIZENSHIP	<u> </u>
		CITIONSUIL	
POST OFFICE ADDRESS			
, ,			

COMBINED DECLARATION AND POWER OF ATTORNEY

ATTORNE DORKET NO. 537217

As a below named inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
	·	(patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)
	_	(patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Jeffrey M. Greenman, Reg.No. 26,552 Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b) Jerrie L. Chiu, Reg. No. 41,670 William F. Gray, Reg. No. 31,018 Susan M. Pellegrino, Reg. No. 48,972 Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516 **Direct Telephone Calls To:**

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE		DATE
Masaomi Tajimi			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 478-0044, Japan		Japanese	
POST OFFICE ADDRESS			
762 Kyokutoudai, Chita-shi, Aichi-ken, 4	78-0044, Japan		
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshio Kokubo			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0804, Japan		Japanese	
POST OFFICE ADDRESS			
3-15-18B, Jingu, Nara-shi, Nara-ken, 631	-0804, Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE .		DATE
Masahiro Shiroo			
RESIDENCE		CITIZENSHIP	į
Cambridge CB1 5BE, Great-Britain		Japanese	
POST OFFICE ADDRESS			
20 Lady Jermy Way, Teversham, Cambridge	CB1 5BE, Great-Brit	ain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Yasuhiro Tsukimi			
RESIDENCE		CITIZENSHIP	
Hyogo-ken, 661-0975 Japan		Japanese	
POST OFFICE ADDRESS	•		
2-10-6, Shimosakabe, Amagasaki-shi, Hyog	o-ken, 661-0975 Japa	n	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Takeshi Yura	·		
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	
POST OFFICE ADDRESS			
3-11-6-101, Kirigaoka, Handa-shi, Aichi-	ken, 475-0928, Japan		
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Klaus Urbahns			
RESIDENCE		CITIZENSHIP	•
22351 Lund, Sweden		German	
POST OFFICE ADDRESS			
Martenstorget 8, 22351 Lund, Sweden			
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Noriyuki Yamamoto			
RESIDENCE		CITIZENSHIP	
Osaka-fu, 577-0013, Japan		Japanese	
POST OFFICE ADDRESS			
2-1-11-1001, Nagatanaka, Higashiosaka-sh	i, Osaka-fu, 577-001	3, Japan	



My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, §119 and § 119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

13

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Jeffrey M. Greenman, Reg.No. 26,552
Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b)
Jerrie L. Chiu, Reg. No. 41,670
William F. Gray, Reg. No. 31,018
Susan M. Pellegrino, Reg. No. 48,972
Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516 Direct Telephone Calls To:

MASAGMI TAJÍMÍ RESIDENCE AÍCHÍ-KEN, 478-0044, Japan POST OFFICE ADDRESS 762 KYOKULOUGAÍ, Chita-shi, Aíchí-ken, 478-0044, Japan RESIDENCE AÍCHÍ-KEN, 478-0044, Japan POST OFFICE ADDRESS 762 KYOKULOUGAÍ, Chita-shi, Aíchí-ken, 478-0044, Japan RESIDENCE NATA-KEN, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jíngu, Nara-shi, Nara-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jíngu, Nara-shi, Nara-ken, 631-0804, Japan FULL MANE OF PHIRD INVENTOR MASABÍTO SHÍTOO RESIDENCE Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR PUST ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL MAME OF PITTH INVENTOR Takeshi Yura RESIDENCE Aíchí-ken, 475-0928, Japan FULL MAME OF FITTH INVENTOR Takeshi Yura RESIDENCE Aíchí-ken, 475-0928, Japan FULL MAME OF SIXTH INVENTOR Klaus Utbahns RESIDENCE Aíchí-ken, 475-0928, Japan POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aíchí-ken, 475-0928, Japan FULL MAME OF SIXTH INVENTOR Klaus Utbahns RESIDENCE Aíchí-ken, 475-0928, Japan POST OFFICE ADDRESS MATTENSTORCE AICHÍ-KEN, 475-0928, Japan POST OFFICE ADDRESS MATTENSTORCE MATTENSTORCE MATTENSTORCE MATTENSTORCE MATTENSTORCE MATTENSTORCE MATTENSTORCE OSAKA-fu, 577-0013, Japan POST OFFICE ADDRESS MATTENSTORCE OSAKA-fu, 577-0013, Japan		1		
RESIDENCE Aichi-ken, 478-0044, Japan POST OFFICE ADDRESS 762 Kyokutoudai, Chita-shi, Aichi-ken, 478-0044, Japan FULL NAME OF SECOND INVENTOR TOShio Kokubo RESIDENCE A-BENDERCE Cambridge CBI 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE A-BENDERCE 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR TAkeshi Yura RESIDENCE A-BENDERCE 3-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR TAkeshi Yura RESIDENCE A-BENDERCE 3-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR TAkeshi Yura RESIDENCE A-BENDERCE A-	FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE		DATE
Aichi-ken, 478-0044, Japan POST OFFICE ADDRESS 762 Kyokutoudai, Chita-shi, Aichi-ken, 478-0044, Japan FULL NAME OF SECOND INVENTOR TOShio Kokubo RESIDENCE Nata-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR Masahiro Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi FULL NAME OF FOURTH INVENTOR HYOSTO-FICE ADDRESS 2-10-6. Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS MATTERISTORYES CITIZENSHIP Japanese DATE CITIZENSHIP DATE CITIZENSHIP Japanese	Masaomi Tajimi			
POST OFFICE ADDRESS 762 Kyokutoudai, Chita-shi, Aichi-ken, 478-0044, Japan FULL NAME OF SECOND INVENTOR RESIDENCE Nara-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR Masahiro Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Ayasuhiro Tsukimi RESIDENCE 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Takeshi Yura RIVENTOR'S SIGNATURE DATE AICHI-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Takeshi Yura RIVENTOR'S SIGNATURE DATE CITIZENSHIP Japanese DATE CITIZENSHIP Japanese DATE RESIDENCE 22351 Lund, Sweden FULL NAME OF SIXTH INVENTOR MATERIAL SWEDENCE 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR MATERIAL SWEDENCE 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR RESIDENCE OSAKA-fu, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR RESIDENCE OSAKA-fu, 577-0013, Japan FOST OFFICE ADDRESS	RESIDENCE		CITIZENSHIP	
TOSLIO KOKUDO INVENTOR INVENTOR INVENTOR'S SIGNATURE DATE TOSNIO KOKUDO RESIDENCE NATA-KEN, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR MASAHITO Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR KIaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS MATTENSTORECE 2351 LUNG SWEDNITH INVENTOR NOTIFUK! Yamanoto RESIDENCE OSAKA-FU, 577-0013, Japan POST OFFICE ADDRESS	Aichi-ken, 478-0044, Japan		Japanese	
FULL NAME OF THE NIVENTOR TOSHIO KOKUBO RESIDENCE Nara-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR RESIDENCE Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FINTH INVENTOR Yasuhiro Tsukimi RESIDENCE Alone of FOURTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF FIFTH INVENTOR TAKESHORES 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF FOURTH INVENTOR RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF FIFTH INVENTOR RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIGNATURE RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIGNATURE RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIGNATURE RESIDENCE 22351 Lund, Sweden FULL NAME OF SURTH INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SURTH INVENTOR RESIDENCE RESIDENCE AGENTAL SWEDENS MARTERISTORES MARTERISTORES MARTERISTORES MARTERISTORES MARTERISTORES MARTERISTORES A-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SURTH INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SURTH INVENTOR RESIDENCE RESIDENCE RESIDENCE RESIDENCE RESIDENCE RESIDENCE OSABA-FU, 577-0013, Japan CITIZENSHIP Japanese DATE CITIZENSHIP Japanese DATE RESIDENCE CITIZENSHIP Japanese DATE RESIDENCE RESIDENCE OSABA-FU, 577-0013, Japan	POST OFFICE ADDRESS			
RESIDENCE Nara-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR ASSIDIENCE Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Hyogo-ken, 661-0975 Japan FULL NAME OF FOURTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SUSTHI INVENTOR STANDARD FULL NAME OF SUSTHI INVENTOR RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SUSTHI INVENTOR RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SUSTHI INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SUSTHI INVENTOR RESIDENCE 22351 Lund, Sweden FULL NAME OF SUSTHI INVENTOR RESIDENCE AICHI-KEN, SUSTNATURE RESIDENCE RES	762 Kyokutoudai, Chita-shi, Aichi-ken, 4	78-0044, Japan		
RESIDENCE Nara-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR Hygo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Alpha Sahiro, Shiroo FULL NAME OF FORTH INVENTOR Takeshi Yura RESIDENCE Alpha Sahiro, Shiroo FULL NAME OF FORTH INVENTOR Takeshi Yura RESIDENCE Alpha Sahiro, Shiroosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FORTH INVENTOR Takeshi Yura RESIDENCE Alchi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Takeshi Yura RESIDENCE Alchi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR RESIDENCE Alchi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR RESIDENCE Alchi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR RESIDENCE 2-2351 Lund, Sweden FOST OFFICE ADDRESS MARTHENSTORGE N. 22351 Lund, Sweden FULL NAME OF SIXTH INVENTOR FULL NAME OF SIXTH INVENTOR RESIDENCE 2-2351 Lund, Sweden FOST OFFICE ADDRESS MARTHENSTORGE N. 22351 Lund, Sweden FULL NAME OF SIXTH INVENTOR FULL NAME OF SIXTH INVENTOR RESIDENCE RESIDENCE RESIDENCE RESIDENCE RESIDENCE RESIDENCE SAR-10, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR RESIDENCE RESIDENCE SAR-10, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR RESIDENCE SAR-10, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR RESIDENCE SAR-10, 577-0013, Japan FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS	FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE		DATE
Nara-ken, 631-0804, Japan POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR Masahiro Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Along Samana FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Along Samana FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Along Samana FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Along Samana FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Along Samana FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Along Samana FULL NAME OF FIFTH INVENTOR RESIDENCE Along Samana FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF FIFTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden FOST OFFICE ADDRESS MartenStorget 8, 22351 Lund, Sweden FOST OFFICE ADDRESS MartenStorget 8, 22351 Lund, Sweden FOST OFFICE ADDRESS MartenStorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE OSAKa-fu, 577-0013, Japan FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS Samana CITIZENSHIP Japanese DATE CITIZENSHIP Japanese DATE CITIZENSHIP Japanese DATE	Toshio Kokubo			
POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR Masahiro Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FUTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SISTEM INVENTOR Klaus Urbahns RESIDENCE 2-2351 Lund, Sweden FOST OFFICE ADDRESS MartemStorget 8, 22351 Lund, Sweden FOLL NAME OF SEVENTH INVENTOR NOTIFICE ADDRESS MartemStorget 8, 22351 Lund, Sweden FOLL NAME OF SEVENTH INVENTOR NOTIFICE ADDRESS MartemStorget 8, 77-0013, Japan INVENTOR'S SIGNATURE CITIZENSHIP German CITIZENSHIP German CITIZENSHIP German DATE CITIZENSHIP GERMAN CITIZENSHIP JAPAN CITIZE	RESIDENCE		CITIZENSHIP	
3-15-18B, Jingu, Nara-shi, Nara-ken, 631-0804, Japan FULL NAME OF THIRD INVENTOR Masahiro Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Takeshi Yura FULL NAME OF FOURTH INVENTOR TAKESIDENCE AICHI-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR FULL NAME OF SIXTH INVENTOR TOFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR FULL NAME OF FULL NAME OF SIXTH INVENTOR FULL NAME OF FULL NA	Nara-ken, 631-0804, Japan		Japanese	
FULL NAME OF THIRD INVENTOR Masahiro Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan FOST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR SIGNATURE RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR INVENTOR'S SIGNATURE CITIZENSHIP Japanese POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR KI NAME OF SIXTH INVENTOR INVENTOR'S SIGNATURE CITIZENSHIP German DATE CITIZENSHIP German DATE CITIZENSHIP German DATE CITIZENSHIP German DATE CITIZENSHIP GERMAN GERMAN MATTERISTORES MATTERISTORES 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR NOTIYUKI Yamamoto RESIDENCE OSAKA-fu, 577-0013, Japan POST OFFICE ADDRESS	POST OFFICE ADDRESS			
Masahiro Shiroo RESIDENCE Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR SIGNATURE CITIZENSHIP Japanese POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden FOST OFFICE ADDRESS MATTERISTORY M	3-15-18B, Jingu, Nara-shi, Nara-ken, 631	-0804, Japan		
RESIDENCE Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan FOST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR INVENTOR'S SIGNATURE CITIZENSHIP Japanese DATE CITIZENSHIP COST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE OSAKa-fu, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE OSAKa-fu, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR OSAKA-fu, 577-0013, Japan	FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE		DATE
Cambridge CB1 5BE, Great-Britain POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SISTH INVENTOR INVENTOR'S SIGNATURE CITIZENSHIP Japanese DATE CITIZENSHIP German DATE CITIZENSHIP German DATE CITIZENSHIP German DATE CITIZENSHIP German POST OFFICE ADDRESS MATTENISTORGET 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR NOTIYUKI YAMAMOTO RESIDENCE OSAKa-fu, 577-0013, Japan POST OFFICE ADDRESS ASTENDANCE OSAKa-fu, 577-0013, Japan CITIZENSHIP Japanese CITIZENSHIP OSAKA-fu, 577-0013, Japan CITIZENSHIP Japanese CITIZENSHIP Japanese CITIZENSHIP Japanese	Masahiro Shiroo			
POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIZHT INVENTOR INVENTOR'S SIGNATURE CITIZENSHIP Japanese POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIZHT INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS MATLENSTORGE 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR NOTIYUKI YAMAMOTO RESIDENCE OSAKa-fu, 577-0013, Japan CITIZENSHIP OSAKA-fu, 577-0013, Japan CITIZENSHIP OSAKA-fu, 577-0013, Japan CITIZENSHIP OSAKA-fu, 577-0013, Japan	RESIDENCE		CITIZENSHIP	
20 Lady Jermy Way, Teversham, Cambridge CB1 5BE, Great-Britain FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan FOST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SITH INVENTOR X-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SITH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden FOST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR NOTIYUKI Yamamoto RESIDENCE OSAKa-fu, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR NOTIYUKI Yamamoto RESIDENCE OSAKa-fu, 577-0013, Japan FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS OSAKA-fu, 577-0013, Japan FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS FOST OFFICE ADDRESS	Cambridge CB1 5BE, Great-Britain		Japanese	
FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan FOST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SISTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden FOST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR NOTIYUKI Yamamoto RESIDENCE OSAKA-fu, 577-0013, Japan FULL NAME OF SEVENTH INVENTOR NOTIYUKI Yamamoto RESIDENCE OSAKA-fu, 577-0013, Japan CITIZENSHIP Japanese CITIZENSHIP German DATE CITIZENSHIP Japanese CITIZENSHIP Japanese	POST OFFICE ADDRESS			
Yasuhiro Tsukimi RESIDENCE Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS CITIZENSHIP German CITIZENSHIP German CITIZENSHIP German CITIZENSHIP German CITIZENSHIP German CITIZENSHIP German DATE CITIZENSHIP Japanese DATE	20 Lady Jermy Way, Teversham, Cambridge	CB1 5BE, Great-Brit	ain	
RESIDENCE Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Klaus Urbahns RESIDENCE CITIZENSHIP German POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS	FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hyogo-ken, 661-0975 Japan POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS MartenStorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR INVENTOR'S SIGNATURE CITIZENSHIP German POST OFFICE ADDRESS MartenStorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE OSaka-fu, 577-0013, Japan POST OFFICE ADDRESS OSAKa-fu, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS	Yasuhiro Tsukimi	*		
POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Klaus Urbahns RESIDENCE CITIZENSHIP German FULL NAME OF SEVENTH INVENTOR Moriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS OSAKA-fu, 577-0013, Japan POST OFFICE ADDRESS OSAKA-FU, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS			CITIZENSHIP	
2-10-6, Shimosakabe, Amagasaki-shi, Hyogo-ken, 661-0975 Japan FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden FOST OFFICE ADDRESS Martenístoriget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE OSAka-fu, 577-0013, Japan POST OFFICE ADDRESS OSAKA-fu, 577-0013, Japan POST OFFICE ADDRESS OSAKA-FU, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS OSAKA-FU, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS	Hyogo-ken, 661-0975 Japan		Japanese	
FULL NAME OF FIFTH INVENTOR Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan FOST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden FOST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS POST OFFICE ADDRESS OSAKA-fu, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS	•			
Takeshi Yura RESIDENCE Aichi-ken, 475-0928, Japan POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS POST OFFICE ADDRESS All Control of the co	2-10-6, Shimosakabe, Amagasaki-shi, Hyog	o-ken, 661-0975 Japa	n	
RESIDENCE Aichi-ken, 475-0928, Japan POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS OSAKA-FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan DATE CITIZENSHIP Japanese POST OFFICE ADDRESS	FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE	•	DATE
Aichi-ken, 475-0928, Japan POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS OSAKA-fu, 577-0013, Japan DATE CITIZENSHIP Japanese CITIZENSHIP Japanese	Takeshi Yura			
POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS	·		CITIZENSHIP	
3-11-6-101, Kirigaoka, Handa-shi, Aichi-ken, 475-0928, Japan FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS CITIZENSHIP Japanese CITIZENSHIP Japanese			Japanese	
FULL NAME OF SIXTH INVENTOR Klaus Urbahns RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS DATE CITIZENSHIP CITIZENSHIP Japanese				
Klaus Urbahns RESIDENCE 22351 Lund, Sweden Post office address Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS CITIZENSHIP Japanese	3-11-6-101, Kirigaoka, Handa-shi, Aichi-	ken, 475-0928, Japan		
RESIDENCE 22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS CITIZENSHIP Japanese		INVENTOR'S SIGNATURE		DATE
22351 Lund, Sweden POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS German INVENTOR'S SIGNATURE CITIZENSHIP Japanese	Klaus Urbahns			
POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS INVENTOR'S SIGNATURE CITIZENSHIP Japanese			CITIZENSHIP	
Martenstorget 8, 22351 Lund, Sweden FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS INVENTOR'S SIGNATURE CITIZENSHIP Japanese	22351 Lund, Sweden		German	
FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS INVENTOR'S SIGNATURE CITIZENSHIP Japanese	1			
Noriyuki Yamamoto RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS CITIZENSHIP Japanese	Martenstorget 8, 22351 Lund, Sweden			
RESIDENCE Osaka-fu, 577-0013, Japan POST OFFICE ADDRESS CITIZENSHIP Japanese		INVENTOR'S SIGNATURE		DATE
Osaka-fu, 577-0013, Japan Japanese Post office Address		<u></u>		19
POST OFFICE ADDRESS			CITIZENSHIP	
			Japanese	
2-1-11-1001, Nagatanaka, Higashiosaka-shi, Osaka-fu, 577-0013, Japan				
	2-1-11-1001, Nagatanaka, Higashiosaka-sh			

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, §119 and § 119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)	
•		(patented, pending, abandoned)	
(Application Serial No.)	(Filing Date)	(Status)	
·		(patented, pending, abandoned)	

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

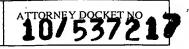


Jeffrey M. Greenman, Reg.No. 26,552
Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b)
Jerrie L. Chiu, Reg. No. 41,670
William F. Gray, Reg. No. 31,018
Susan M. Pellegrino, Reg. No. 48,972
Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516

Direct Telephone Calls To:

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE		DATE ·	
Masaomi Tajimi				
RESIDENCE		CITIZENSHIP		
Aichi-ken, 478-0044, Japan		Japanese		
POST OFFICE ADDRESS				
762 Kyokutoudai, Chita-shi, Aichi-ken, 4	78-0044, Japan			
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE		DATE	
Toshio Kokubo	İ			
RESIDENCE .		CITIZENSHIP		
Nara-ken, 631-0804, Japan		Japanese		
POST OFFICE ADDRESS				
3-15-18B, Jingu, Nara-shi, Nara-ken, 631	-0804, Japan			
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE		DATE	
Masahiro Shiroo				
RESIDENCE		CITIZENSHIP		
Cambridge CB1 5BE, Great-Britain		Japanese		
POST OFFICE ADDRESS				
20 Lady Jermy Way, Teversham, Cambridge	CB1 5BE, Great-Brit	ain		
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE		DATE	
Yasuhiro Tsukimi				
RESIDENCE	•	CITIZENSHIP		
Hyogo-ken, 661-0975 Japan		Japanese		
POST OFFICE ADDRESS		•		
2-10-6, Shimosakabe, Amagasaki-shi, Hyog	o-ken, 661-0975 Japa:	n		
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE		DATE	
Takeshi Yura				
RESIDENCE		CITIZENSHIP		
Aichi-ken, 475-0928, Japan		Japanese	,	
POST OFFICE ADDRESS				
3-11-6-101, Kirigaoka, Handa-shi, Aichi-	ken, 475-0928, Japan			
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE		DATE	
. Klaus Urbahns		,		
RESIDENCE		CITIZENSHIP		
22351 Lund, Sweden		German		
POST OFFICE ADDRESS				
Martenstorget 8, 22351 Lund, Sweden				
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE	
Noriyuki Yamamoto			-	
RESIDENCE		CITIZENSHIP		
Osaka-fu, 577-0013, Japan Japanese				
POST OFFICE ADDRESS		•		
2-1-11-1001, Nagatanaka, Higashiosaka-sh	i, Osaka-fu, 577-001	3, Japan		



My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES ÁS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)	
		(patented, pending, abandoned)	
(Application Serial No.)	(Filing Date)	(Status)	
		(patented, pending, abandoned)	

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Jeffrey M. Greenman, Reg.No. 26,552
Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b)
Jerrie L. Chiu, Reg. No. 41,670
William F. Gray, Reg. No. 31,018
Susan M. Pellegrino, Reg. No. 48,972
Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516

Direct Telephone Calls To:

<u> </u>	·· · · · · · · · · · · · · · · · · · ·		
FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE		DATE
Masaomi Tajimi			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 478-0044, Japan		Japanese	
POST OFFICE ADDRESS			
762 Kyokutoudai, Chita-shi, Aichi-ken, 4	78-0044, Japan		
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshio Kokubo			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0804, Japan		Japanese	
POST OFFICE ADDRESS			
3-15-18B, Jingu, Nara-shi, Nara-ken, 631	-0804, Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE		DATE
Masahiro Shiroo			
RESIDENCE .		CITIZENSHIP	
Cambridge CB1 5BE, Great-Britain		Japanese	
POST OFFICE ADDRESS			
20 Lady Jermy Way, Teversham, Cambridge	CB1 5BE, Great-Brit	ain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Yasuhiro Tsukimi			
RESIDENCE	· ·	CITIZENSHIP	
Hyogo-ken, 661-0975 Japan		Japanese	
POST OFFICE ADDRESS			
2-10-6, Shimosakabe, Amagasaki-shi, Hyog	o-ken, 661-0975 Japan	n ·	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Takeshi Yura			•
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	
POST OFFICE ADDRESS			
3-11-6-101, Kirigaoka, Handa-shi, Aichi-	ken, 475-0928, Japan		
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Klaus Urbahns			•
RESIDENCE		CITIZENSHIP	
22351 Lund, Sweden		German	
POST OFFICE ADDRESS		•	
Martenstorget 8, 22351 Lund, Sweden			
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Noriyuki Yamamoto			
RESIDENCE		CITIZENSHIP	
Osaka-fu, 577-0013, Japan		Japanese	
POST OFFICE ADDRESS		· · · · · · · · · · · · · · · · · · ·	
2-1-11-1001, Nagatanaka, Higashiosaka-sh	i, Osaka-fu, 577-001	3, Japan	
		· · · · · · · · · · · · · · · · · · ·	



My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

the specification of which is attached hereto,

or was filed on November 28, 2003

as a PCT Application Serial No. PCT/EP2003/013452

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, \$119 and \$119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

02027528.5 (Number)

Europe (Country)

December 9, 2002 (Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, \$1.56 which occured between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Jeffrey M. Greenman, Reg.No. 26,552 Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b) Jerrie L. Chiu, Reg. No. 41,670 William F. Gray, Reg. No. 31,018 Susan M. Pellegrino, Reg. No. 48,972 Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516 Direct Telephone Calls To:

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE		DATE
Masaomi Tajimi	L		
RESIDENCE		CITIZENSHIP	
Aichi-ken, 478-0044, Japan	<u>.</u> .	Japanése	
POST OFFICE ADDRESS			
762 Kyokutoudai, Chita-shi, Aichi-ken, 4	78-0044, Japan		
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshio Kokubo			
RESIDENCE		CITIZENSHIP	}
Nara-ken, 631-0804, Japan	·	Japanese	
POST OFFICE ADDRESS			
3-15-18B, Jingu, Nara-shi, Nara-ken, 631	-0804, Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE		DATE
Masahiro Shiroo			
RESIDENCE		CITIZENSHIP	· .
Cambridge CB1 5BE, Great-Britain		Japanese	
POST OFFICE ADDRESS		•	
20 Lady Jermy Way, Teversham, Cambridge	CB1 5BE, Great-Brit	ain	·
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Yasuhiro Tsukimi			
RESIDENCE		CITIZENSHIP	`
Hyogo-ken, 661-0975 Japan		Japanese	
POST OFFICE ADDRESS			
2-10-6, Shimosakabe, Amagasaki-shi, Hyog	o-ken, 661-0975 Japa	n	i i i
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Takeshi Yura	*		
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	
POST OFFICE ADDRESS			
3-11-6-101, Kirigaoka, Handa-shi, Aichi-	ken, 475-0928, Japan		
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Klaus Urbahns	1		
RESIDENCE		CITIZENSHIP	
22351 Lund, Sweden		German	
POST OFFICE ADDRESS			
Martenstorget 8, 22351 Lund, Sweden			
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Noriyuki Yamamoto			
RESIDENCE		CITIZENSHIP	
Osaka-fu, 577-0013, Japan		Japanese .	•
POST OFFICE ADDRESS			
2-1-11-1001, Nagatanaka, Higashiosaka-sh	i, Osaka-fu, 577-001	3, Japan	



5

Jeffrey M. Greenman, Reg.No. 26,552

Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b)

Jerrie L. Chiu, Reg. No. <u>41,670</u>

William F. Gray, Reg. No. 31,018

Susan M. Pellegrino, Reg. No. 48,972

Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Cus	tomer No. 35969
Mr. Jeffrey M. Greenman	
Bayer Pharmaceuticals Corporation	
400 Morgan Lane	

(203)812-3964(Jerrie L. Chiu)

Direct Telephone Calls To:

West Haven, Connecticut 06516

RULL NAME OF SOLE OR FIRST INVENTOR Masaomi Tajimi	INVENTOR'S SIGNATURE	· '	DATE Hay 20.2003
RESIDENCE 7	36 / 6	CITIZENSHIP	1
Aichi-ken, 478-0044, Japan TPX		Japanese	
POST OFFICE ADDRESS			
762 Kyokutoudai, Chita-shi, Aichi-ken,	478-0044. Japan		
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE	 	DATE
Toshio Kokubo			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0804, Japan		Japanese	
POST OFFICE ADDRESS			
3-15-18B, Jingu, Nara-shi, Nara-ken, 63	1-0804. Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE		DATE
Masahiro Shiroo			
RESIDENCE		CITIZENSHIP	<u> </u>
Cambridge CB1 5BE, Great-Britain		Japanese	
POST OFFICE ADDRESS			
20 Lady Jermy Way, Teversham, Cambridge	e CB1 5BE. Great-Brit	tain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Yasuhiro Tsukimi	INVENTOR D DIGMITURE		
RESIDENCE		CITIZENSHIP	
Hyogo-ken, 661-0975 Japan		Japanese	
POST OFFICE ADDRESS			
2-10-6, Shimosakabe, Amagasaki-shi, Hyo	go-ken, 661-0975 Japa	an	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Takeshi Yura		•	
RESIDENCE	*****	CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	
POST OFFICE ADDRESS		T	
3-11-6-101, Kirigaoka, Handa-shi, Aichi	-ken. 475-0928. Japa	n	
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Klaus Urbahns			
RESIDENCE		CITIZENSHIP	
22351 Lund, Sweden		German	
POST OFFICE ADDRESS		1 000	
Martenstorget 8, 22351 Lund, Sweden			
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Noriyuki Yamamoto			
RESIDENCE		CITIZENSHIP	
Osaka-fu, 577-0013, Japan		Japanese	
POST OFFICE ADDRESS		1 0 - 2 - 3 - 10 - 0	
2-1-11-1001, Nagatanaka, Higashiosaka-s	hi Osaka-fu 577-00	13. Janan	
ingulation, ingulational	, Jouna-Lu, J//-00	zo, oupun	

Jeffrey M. Greenman, Reg.No. 26,552
Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b)
Jerrie L. Chiu, Reg. No. 41,670
William F. Gray, Reg. No. 31,018
Susan M. Pellegrino, Reg. No. 48,972
Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516

Direct Telephone Calls To:

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNAT	TURE	DATE
Masaomi Tajimi			
RESIDENCE		CITIZENSHIP	-
Aichi-ken, 478-0044, Japan		Japanese	·
POST OFFICE ADDRESS			
762 Kyokutoudai, Chita-shi, Aichi-	ken, 478-0044, Japan		
JULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNAT	TURE D	DATE
T <u>oshio Kokuho</u>	asheo	Mikuto	Jine82
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0804, Japan 🔾 📉		Japanese	
POST OFFICE ADDRESS			
3-15-18B, Jingu, Nara-shi, Nara-ke	n, 631-0804, Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNAT	TURE	DATE
Masahiro Shiroo			
RESIDENCE		CITIZENSHIP	
Cambridge CB1 5BE, Great-Britain		Japanese	
POST OFFICE ADDRESS			
20 Lady Jermy Way, Teversham, Cam	bridge CB1 5BE, Great	-Britain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNAT	URE	DATE
Yasuhiro Tsukimi			
RESIDENCE		CITIZENSHIP	
Hyogo-ken, 661-0975 Japan		Japanese	
POST OFFICE ADDRESS			
2-10-6, Shimosakabe, Amagasaki-shi	, Hyogo-ken, 661-0975	Japan	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNAT	TURE	DATE
Takeshi Yura			l
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	
POST OFFICE ADDRESS			
3-11-6-101, Kirigaoka, Handa-shi,	Aichi-ken, 475-0928,	Japan	
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNAT	TURE	DATE
Klaus Urbahns			
RESIDENCE		CITIZENSHIP	
22351 Lund Swoden		German	
22351 Lund, Sweden			
POST OFFICE ADDRESS			
POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Swede	n		
Post office address Martenstorget 8, 22351 Lund, Swede FULL NAME of seventh inventor	n INVENTOR'S SIGNAT	TURE	DATE
Post office address Martenstorget 8, 22351 Lund, Swede FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto		TURE	DATE
POST OFFICE ADDRESS Martenstorget 8, 22351 Lund, Swede FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto RESIDENCE		CITIZENSHIP	DATE
Post office address Martenstorget 8, 22351 Lund, Swede FULL NAME OF SEVENTH INVENTOR Noriyuki Yamamoto		· · · · · ·	DATE



Jeffrey M. Greenman, Reg.No. 26,552 Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b) Jerrie L. Chiu, Reg. No. 41,670 William F. Gray, Reg. No. 31,018 Susan M. Pellegrino, Reg. No. 48,972 Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer N Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516	Io. 35969	Direct Telephone C (203)812-3964(Jerri	
FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE	E	DATE
Masaomi Tajimi			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 478-0044, Japan		Japanese	
POST OFFICE ADDRESS			
762 Kyokutoudai, Chita-shi, Aichi-ker	n, 478-0044, Japan		
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE	E	DATE
Toshio Kokubo			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0804, Japan		Japanese	
POST OFFICE ADDRESS			
3-15-18B, Jingu, Nara-shi, Nara-ken,	631-0804, Japan		145
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE	\mathcal{M}	DATE
Masahiro S <u>hiroo</u>	(magalin)	Mille	June 20,2005
RESIDENCE	201	CITIZENSHIP	
Cambridge CB1 5BE, Great-Britain 💪	<u> </u>	Japanese	
POST OFFICE ADDRESS	·		
20 Lady Jermy Way, Teversham, Cambri	idge CB1 5BE, Great-B	Britain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE	E	DATE
Yasuhiro Tsukimi			
RESIDENCE		CITIZENSHIP	
Hyogo-ken, 661-0975 Japan		Japanese	
POST OFFICE ADDRESS			
2-10-6, Shimosakabe, Amagasaki-shi, I	Hyogo-ken, 661-0975 J	Tapan	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE	E	DATE
Takeshi Yura			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	··
POST OFFICE ADDRESS			
3-11-6-101, Kirigaoka, Handa-shi, Aid	<u>chi-ken, 475-0928, Ja</u>	ipan	
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE	E	DATE
Klaus Urbahns			
RESIDENCE		CITIZENSHIP	
22351 Lund, Sweden		German	
POST OFFICE ADDRESS			
Martenstorget 8, 22351 Lund, Sweden			
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATUR	E	DATE
Noriyuki Yamamoto			
RESIDENCE		CITIZENSHIP	
Osaka-fu, 577-0013, Japan	·	Japanese	
POST OFFICE ADDRESS			
2-1-11-1001. Nagatanaka, Higashiosak	a-sni, Osaka-fu, 577.	-0013. Japan	

76 Jeffrey M. Greenman, Reg.No. 26,552

* Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b) Jerrie L. Chiu, Reg. No. 41,670 William F. Gray, Reg. No. 31,018 Susan M. Pellegrino, Reg. No. 48,972 Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516

Direct Telephone Calls To:

	,		
FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE	,	DATE
Masaomi Tajimi			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 478-0044, Japan		Japanese	
POST OFFICE ADDRESS		· · · · · · · · · · · · · · · · · · ·	
762 Kyokutoudai, Chita-shi, Aichi-ken, 4	78-0044, Japan		
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshio Kokubo			
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0804, Japan		Japanese	
POST OFFICE ADDRESS		•	
3-15-18B, Jingu, Nara-shi, Nara-ken, 631	-0804, Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE		DATE
Masahiro Shiroo	•		
RESIDENCE		CITIZENSHIP	
Cambridge CB1 5BE, Great-Britain		Japanese	
POST OFFICE ADDRESS		1	
20 Lady Jermy Way, Teversham, Cambridge	CB1 5BE, Great-Brita	ain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE	· · · · · · · · · · · · · · · · · · ·	DATE
Y <u>asuhi</u> ro <u>Tsukimi</u>	I Inkim		Pag 20, 2005
RESIDENCE	7 7	CITIZENSHIP	0
Hyogo-ken, 661-0975 Japan 🗸 🛠	•	Japanese	
POST OFFICE ADDRESS		·	
2-10-6, Shimosakabe, Amagasaki-shi, Hyog	o-ken, 661-0975 Japan	n	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Takeshi Yura			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	
POST OFFICE ADDRESS		<u> </u>	
3-11-6-101, Kirigaoka, Handa-shi, Aichi-	ken, 475-0928, Japan	·	
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Klaus Urbahns			
RESIDENCE		CITIZENSHIP	
22351 Lund, Sweden		German	
POST OFFICE ADDRESS			
Martenstorget 8, 22351 Lund, Sweden			İ
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Noriyuki Yamamoto			
RESIDENCE		CITIZENSHIP	
Osaka-fu, 577-0013, Japan		Japanese	
POST OFFICE ADDRESS	111-	1	
2-1-11-1001, Nagatanaka, Higashiosaka-sh	i, Osaka-fu, 577-001	3. Japan	
	, , , , , , , , , , , , , , , , , , , ,	-, -apa	

Jeffrey M. Greenman, Reg.No. 26,552
Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b)
Jerrie L. Chiu, Reg. No. 41,670
William F. Gray, Reg. No. 31,018
Susan M. Pellegrino, Reg. No. 48,972
Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. 35969 Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516

Ţ

Direct Telephone Calls To:

(203)812-3964(Jerrie L. Chiu)

FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATURE		DATE
Masaomi Tajimi			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 478-0044, Japan		Japanese	
POST OFFICE ADDRESS			
762 Kyokutoudai, Chita-shi, Aichi-ken, 4	78-0044, Japan	•	
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshio Kokubo	·		
RESIDENCE		CITIZENSHIP	<u> </u>
Nara-ken, 631-0804, Japan		Japanese	
POST OFFICE ADDRESS			
3-15-18B, Jingu, Nara-shi, Nara-ken, 631	-0804. Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATURE	1, 2,7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	DATE
Masahiro Shiroo			
RESIDENCE		CITIZENSHIP	<u>, l.,</u>
Cambridge CB1 5BE, Great-Britain		Japanese	
POST OFFICE ADDRESS			
20 Lady Jermy Way, Teversham, Cambridge	CB1 5BE, Great-B	ritain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Yasuhiro Tsukimi			
RESIDENCE	<u> </u>	CITIZENSHIP	_
Hyogo-ken, 661-0975 Japan		Japanese	
POST OFFICE ADDRESS			
2-10-6, Shimosakabe, Amagasaki-shi, Hyog	o-ken, 661-0975 Ja	apan	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Takeshi Yura	甘良 多俊		2201 May 200
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0928, Japan		Japanese	·
POST OFFICE ADDRESS			
3-11-6-101, Kirigaoka, Handa-shi, Aichi-	ken, 475-0928, Jan	pan	
FULL NAME OF SIXTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Klaus Urbahns			
RESIDENCE		CITIZENSHIP	
22351 Lund, Sweden		German	
POST OFFICE ADDRESS			· · · · · · · · · · · · · · · · · · ·
Martenstorget 8, 22351 Lund, Sweden			
FULL NAME OF SEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Noriyuki Yamamoto			
RESIDENCE		CITIZENSHIP	
Osaka-fu, 577-0013, Japan		Japanese	
POST OFFICE ADDRESS			
2-1-11-1001, Nagatanaka, Higashiosaka-sh	ni, Osaka-fu, 577-	0013. Japan	



Jeffrey M. Greenman, Reg.No. 26,552 Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b) Jerrie L. Chiu, Reg. No. 41,670 William F. Gray, Reg. No. 31,018 Susan M. Pellegrino, Reg. No. 48,972 Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516	. 35969	(203)812-3964(Jerri	
FULL NAME OF SOLE OR FIRST INVENTOR Masaomi Tajimi	INVENTOR'S SIGNATURE	Е	DATE
RESIDENCE		CITIZENSHIP	
Aichi-ken, 478-0044, Japan		Japanese	
POST OFFICE ADDRESS 762 Kyokutoudai, Chita-shi, Aichi-ken,	, 478-0044, Japan		
FULL NAME OF SECOND INVENTOR Toshio Kokubo	INVENTOR'S SIGNATURE	Е	DATE
RESIDENCE Nara-ken, 631-0804, Japan		citizenship Japanese	
POST OFFICE ADDRESS 3-15-18B, Jingu, Nara-shi, Nara-ken, 6			
FULL NAME OF THIRD INVENTOR Masahiro Shiroo	INVENTOR'S SIGNATUR	E .	DATE
RESIDENCE Cambridge CB1 5BE, Great-Britain		CITIZENSHIP Japanese	
POST OFFICE ADDRESS 20 Lady Jermy Way, Teversham, Cambrid	dge CB1 5BE, Great-F	3ritain	
FULL NAME OF FOURTH INVENTOR Yasuhiro Tsukimi	INVENTOR'S SIGNATUR	E	DATE
RESIDENCE Hyogo-ken, 661-0975 Japan		citizenship Japanese	
POST OFFICE ADDRESS 2-10-6, Shimosakabe, Amagasaki-shi, Hy			
FULL NAME OF FIFTH INVENTOR Takeshi Yura	INVENTOR'S SIGNATUR	E	DATE
RESIDENCE Aichi-ken, 475-0928, Japan		citizenship Japanese	
POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aich	hi-ken, 475-0928, Ja	apan	•
FULL NAME OF SIXTH INVENTOR Klaus Urbahns	INVENTOR'S SIGNATUR	E /	24 Rai U
RESIDENCE 22351 Lund, Sweden SEX		CITIZENSHIP German	
POST OFFICE ADDRESS Martenstorget 8 22351 Lund Sweden			

INVENTOR'S SIGNATURE

2-1-11-1001, Nagatanaka, Higashiosaka-shi, Osaka-fu, 577-0013, Japan

DATE

CITIZENSHIP

Japanese

RCK 40-US

FULL NAME OF SEVENTH INVENTOR

Osaka-fu, 577-0013, Japan

Noriyuki Yamamoto



POST OFFICE ADDRESS

RESIDENCE

Jeffrey M. Greenman, Reg.No. 26,552
Tilman Breitenstein, Limited Recognition under 37 C.F.R. § 11.9(b)
Jerrie L. Chiu, Reg. No. 41,670
William F. Gray, Reg. No. 31,018
Susan M. Pellegrino, Reg. No. 48,972
Barbara A. Shimei, Reg. No. 29,862

Address all written correspondence to Customer No. Mr. Jeffrey M. Greenman Bayer Pharmaceuticals Corporation 400 Morgan Lane West Haven, Connecticut 06516	35969		none Calls To: 4(Jerrie L. Chiu)
FULL NAME OF SOLE OR FIRST INVENTOR	INVENTOR'S SIGNATUR	RE	DATE
Masaomi Tajimi			
RESIDENCE		CITIZENS	
Aichi-ken, 478-0044, Japan		Japan	ese
A DDDECC		•	
762 Kyokutoudai, Chita-shi, Aichi-ken,	478-0044, Japan		DATE
FULL NAME OF SECOND INVENTOR	INVENTOR'S SIGNATU	RE	DATE
Toshio Kokubo			
RESIDENCE		CITIZENS	
Nara-ken, 631-0804, Japan		Japan	iese
A DEPT A DEPT CO			
3-15-18B, Jingu, Nara-shi, Nara-ken,	631-0804, Japan		
FULL NAME OF THIRD INVENTOR	INVENTOR'S SIGNATU	RE	DATE
Masahiro Shiroo			
RESIDENCE		CITIZENS	
Cambridge CB1 5BE, Great-Britain		Japan	nese
20 Lady Jermy Way, Teversham, Cambri	dge CB1 5BE, Great	-Britain	
FULL NAME OF FOURTH INVENTOR	INVENTOR'S SIGNAT	JRE	DATE
Yasuhiro Tsukimi			
		CITIZENS	SHIP
RESIDENCE Hyogo-ken, 661-0975 Japan		Japa	nese
POST OFFICE ADDRESS			
2-10-6, Shimosakabe, Amagasaki-shi, H	Ivogo-ken, 661-0975	Japan	
FULL NAME OF FIFTH INVENTOR	INVENTOR'S SIGNAT	URE	DATE
Takeshi Yura		CITIZEN	SHIP
RESIDENCE 475 0028 Japan		Japa	inese
Aichi-ken, 475-0928, Japan			
POST OFFICE ADDRESS 3-11-6-101, Kirigaoka, Handa-shi, Aid	chi-ken. 475-0928,	Japan	
	INVENTOR'S SIGNA	TURE	DATE
FULL NAME OF SIXTH INVENTOR			
Klaus Urbahns		CITIZEN	NSHIP
RESIDENCE		Gern	
22351 Lund, Sweden			•
POST OFFICE ADDRESS			
Martenstorget 8, 22351 Lund, Sweden	INVENTOR'S SIGNA	TURE	DATE
FULL NAME OF SEVENTH INVENTOR	111111111111111111111111111111111111111	· · ·	May 16. 2005
		CITIZE	NSHIP
RESIDENCE		1	
Usaka-1u, 377-0013, 3apan - 13			
POST OFFICE ADDRESS	ra chi Osaka_fu 5	77-0013. Jap	an
Osaka-fu, 577-0013, Japan 🔾 🛠	ka-shi, Osaka-fu, 5		nship anese



			
FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE .
Muneto Mogi		CITIZENSHIP	<u></u>
RESIDENCE		Japanese	
Nara-ken, 630-8325, Japan		Japanese	
POST OFFICE ADDRESS 63-23-208, Nishikitsuji-cho, Nara-shi, N	Nara-kon 630-8325	Ianan	
Full name of Ninth Inventor	INVENTOR'S SIGNATURE	Japan	DATE
Hiroshi Fujishima	Miroshi Ligishim	A	May. 16. 2005
RESIDENCE	1 /1/10/1011 /2/10/2011	CITIZENSHIP	1117.10.
Nara-ken, 631-0801, Japan	•	Japanese	
POST OFFICE ADDRESS			
3-23-25, Sakyo, Nara-shi, Nara-ken, 631-	-0801. Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS			
180-5, Teramachi, Handa-shi, Aichi-ken,	475-0844 Japan		
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida		* 	
RESIDENCE		CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS			
5-18-15, Saganakadai, Kizu-cho, Soraku-	gun, Kyoto-fu, 619-02	223, Japan	
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki			
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS			
2-25-4, Kitayamato, Ikoma-shi, Nara-ken	, 630-0121, Japan		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
	<u> </u>		
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
THE NAME OF TOWNSHIP TWO TOWNSHIP			T 22 M2
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		Tormen and the second	
		CITIZENSHIP	
POST OFFICE ADDRESS			
	•		
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
TOTAL OF THE SECTION	INVENTOR 5 STORATORE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	-
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SEVENTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			

			_
FULL NAME OF EIGHTH INVENTOR	: INVENTOR'S SIGNATURE		DATE .
Muneto Mogi		T	
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-8325, Japan		Japanese	
POST OFFICE ADDRESS		_	
63-23-208, Nishikitsuji-cho, Nara-shi,		apan	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima			1[
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS			
3-23-25, Sakyo, Nara-shi, Nara-ken, 63	1-0801, Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu <u>Masuda</u>	Santony prosen	gland	May . 17. 200
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS			
180-5, Teramachi, Handa-shi, Aichi-ken	n, 475-0844 Japan		
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida			
RESIDENCE		CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
		_ sapanese	
POST OFFICE ADDRESS	Varata for 610 00)22 Ionan	
5-18-15, Saganakadai, Kizu-cho, Soraku		.23, Japan	T = - = -
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki			
RESIDENCE	•	CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS			
2-25-4, Kitayamato, Ikoma-shi, Nara-ke	en, 630-0121, Japan		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			•
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,		*	
POST OFFICE ADDRESS			
, ,			
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
The state of the s	INVENTOR D DIGNATURE		. 5772
RESIDENCE		CITIZENSHIP	<u> </u>
,		CITIZENSHIP	•
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
, .			
POST OFFICE ADDRESS			
,_,			
FULL NAME OF SEVENTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			

			
full name of eighth inventor Muneto Mogi	INVENTOR'S SIGNATURE		DATE .
		CITIZENSHIP	
•		Japanese	
Nara-ken, 630-8325, Japan		Japanese	
POST OFFICE ADDRESS	Nama Iran 620 8225	lanan	
63-23-208, Nishikitsuji-cho, Nara-shi, N		Tapan	T
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima		T	
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS			
3-23-25, Sakyo, Nara-shi, Nara-ken, 631			T
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda			
RESIDENCE		CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS			
) 180-5, Teramachi, Handa-shi, Aichi-ken,			
full name of eleventh inventor	INVENTOR'S SIGNATURE	\sim \sim \sim	DATE
Nagahiro Yoshida			2007/01/1
RESIDENCE		CITIZENSHIP	• .
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS			
5-18-15, Saganakadai, Kizu-cho, Soraku-	gun, Kyoto-fu, 619-02	223, Japan	
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki		•	
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS			
2-25-4, Kitayamato, Ikoma-shi, Nara-ken	, 630-0121, Japan		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
·			
POST OFFICE ADDRESS			
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
		022222000	
POST OFFICE ADDRESS			
	*		
, , FULL NAME OF FIFTEENTH INVENTOR	TABLEMEOD IS STONE MIDE		DATE
TODE NAME OF FIFTEENIN INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		ATTENDED TO	
	• .	CITIZENSHIP	
			THE COLUMN STATE
POST OFFICE ADDRESS	1		
POST OFFICE ADDRESS			
POST OFFICE ADDRESS			
POST OFFICE ADDRESS	INVENTOR'S SIGNATURE		DATE
POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
POST OFFICE ADDRESS	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE ,	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , ,	INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS	INVENTOR'S SIGNATURE INVENTOR'S SIGNATURE	CITIZENSHIP	DATE
POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , ,		CITIZENSHIP	
POST OFFICE ADDRESS , , FULL NAME OF SIXTEENTH INVENTOR RESIDENCE , POST OFFICE ADDRESS , ,		CITIZENSHIP	

	—		
FULL NAME OF EIGHTH INVENTOR	INVENTOR'S SIGNATURE		DATE .
Muneto Mogi		- CARTERNOUTE	
RESIDENCE Nara-ken, 630-8325, Japan	No. 1	CITIZENSHIP Japanese	
POST OFFICE ADDRESS		Japanese	
63-23-208, Nishikitsuji-cho, Nara-shi,	Nara-ken 630-8325	Janan	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE	Japan	DATE
Hiroshi Fujishima	INVENTOR 5 SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS		- Jupanese	
3-23-25, Sakyo, Nara-shi, Nara-ken, 63	1-0801. Japan		
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda			
RESIDENCE	*	CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS		<u> </u>	
180-5, Teramachi, Handa-shi, Aichi-ken	, 475-0844 Japan		
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida			
RESIDENCE		CITIZENSHIP	
Kyoto-fu, 619-0223, Japan		Japanese	
POST OFFICE ADDRESS			
, 5-18-15, Saganakadai, Kizu-cho, Soraku	-gun, Kyoto-fu, 619-0	223, Japan	
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE	ć	DATE
Toshiya Moriwaki	Joshus mo	orimasil.	May 21,20
RESIDENCE - 10/		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS			
2-25-4, Kitayamato, Ikoma-shi, Nara-ke	n, 630-0121, Japan		
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Pretrumen		T	
RESIDENCE	•	CITIZENSHIP	
POST OFFICE ADDRESS			
FOST OFFICE ADDRESS			
FULL NAME OF FOURTHEENTH INVENTOR	TNUPNEODIC CTCNAMUDE		DAME
TODA MAD OF TOOKTHEENIN INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
		CITIZENSHIP	•
POST OFFICE ADDRESS			
, ,			•
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
	The District of Di		JAN 12
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS	-		
, ,			
FULL NAME OF SEVENTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	1
,			
POST OFFICE ADDRESS		1	

			· · · · · · · · · · · · · · · · · · ·
FULL NAME OF EIGHTH INVENTOR	INVENTOR S SIGNATURE	ĵ. -	DATE
/ Muneto Mogi	1 m. 6.12		May 29, 200
RESIDENCE (30 0335 January)		CITIZENSHIP	
Nara-ken, 630-8325, Japan		Japanese	
POST OFFICE ADDRESS 63-23-208, Nishikitsuji-cho, Nara-shi, Nara-ken, 630-8325, Japan			
		apan	
FULL NAME OF NINTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Hiroshi Fujishima	<u> </u>	T	L
RESIDENCE		CITIZENSHIP	
Nara-ken, 631-0801, Japan		Japanese	
POST OFFICE ADDRESS			
3-23-25, Sakyo, Nara-shi, Nara-ken, 631-			DATE
FULL NAME OF TENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Tsutomu Masuda	l	Tormen November	1
RESIDENCE	•	CITIZENSHIP	
Aichi-ken, 475-0844 Japan		Japanese	
POST OFFICE ADDRESS			
180-5, Teramachi, Handa-shi, Aichi-ken,			T DAME
FULL NAME OF ELEVENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Nagahiro Yoshida	<u> </u>	GTTT BRIGHT	1
RESIDENCE		CITIZENSHIP	ļ
Kyoto-fu, 619-0223, Japan	•	Japanese	
post office Address 5-18-15, Saganakadai, Kizu-cho, Soraku-gun, Kyoto-fu, 619-0223, Japan			
		23, Japan	
FULL NAME OF TWELFTH INVENTOR	INVENTOR'S SIGNATURE		DATE
Toshiya Moriwaki	<u> </u>	Grandancura	<u> </u>
RESIDENCE		CITIZENSHIP	
Nara-ken, 630-0121, Japan		Japanese	
POST OFFICE ADDRESS			
2-25-4, Kitayamato, Ikoma-shi, Nara-ken,	T		DATE
FULL NAME OF THIRTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	<u> </u>
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
TOST OTTICE ADDICAGO			
FULL NAME OF FOURTHEENTH INVENTOR	INVENTOR'S SIGNATURE	, 	DATE
RESIDENCE			1
	•		
POST OFFICE ADDRESS			
, ,			
FULL NAME OF FIFTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SIXTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE		CITIZENSHIP	
,			
POST OFFICE ADDRESS			
, ,			
FULL NAME OF SEVENTEENTH INVENTOR	INVENTOR'S SIGNATURE		DATE
	<u> </u>		
RESIDENCE	-	CITIZENSHIP	
POST OFFICE ADDRESS			
, ,			